

AMENDMENTS TO CLAIMS

Please add the following new claims.

13 (new). In a telephone including a receive channel, a transmit channel, an echo canceling circuit coupled between the receive channel and the transmit channel, and a state processor, the improvement comprising:

a voice activity detector having an input coupled to one channel, an output coupled to said state processor, and means for statistically analyzing a signal on said input without measuring amplitude or power.

14 (new). The telephone as set forth in claim 13 wherein said means includes:

means for sampling said signal to produce a plurality of samples;

means for comparing each sample with at least one threshold to produce a number representative of each comparison;

means for summing the numbers representative of each comparison,

means for comparing the sum with a threshold and producing an indication of whether or not the threshold is exceeded, thereby indicating the presence of voice in said signal.

15 (new). The telephone as set forth in claim 14 wherein said means for sampling is a analog to digital converter.

16 (new). The telephone as set forth in claim 13 wherein said means includes:

means for comparing the signal with at least one threshold to produce a number representative of each comparison;

means for sampling said number to produce a plurality of samples;

means for summing the numbers representative of each comparison,

means for comparing the sum with a threshold and producing an indication of whether or not the threshold is exceeded, thereby indicating the presence of voice in said signal.

17 (new). The telephone as set forth in claim 13 wherein said telephone is a speaker phone.